C9369Series[B]-MSDS_US-English-07.pdf

C9369Series[C]-MSDS_US-English-14.pdf

C9369Series[M]-MSDS_US-English-16.pdf



1. Product and Compar	y Identification
Identification of the preparation	C9369Series[B]
Product use	Inkjet printing
Version #	04
Revision date	16-Jan-2013
CAS #	Mixture
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com
2. Hazards Identification	n se
Emergency overview	Contact with skin and eyes may result in irritation.
Acute health effects	
	Any potential hazards are presumed to be due to exposure to the components.
Skin contact	<i>1,5-pentanediol</i> Contact with skin may result in irritation.
	2-pyrrolidone Contact with skin may result in irritation. Alkyldiol ethoxylate Contact with skin may result in severe irritation. Ethyl alkyldiol Contact with skin may result in mild irritation.
Eye contact	 <i>1,5-pentanediol</i> Contact with eyes may result in irritation. <i>2-pyrrolidone</i> Contact with eyes may result in irritation. <i>Alkyldiol ethoxylate</i> Contact can cause moderate to severe irritation and possible injury to the eyes. <i>Ethyl alkyldiol</i> Contact with eyes may result in mild irritation.
Inhalation	<i>2-pyrrolidone</i> Inhalation may result in respiratory irritation.
Ingestion	<i>2-pyrrolidone</i> Ingestion may result in nausea, vomiting and diarrhea. <i>Alkyldiol ethoxylate</i> Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

Potential health effects	
Routes of exposure	Potential routes of overexposure to this product are skin and eye contact
	Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.
	Complete toxicity data are not available for this specific formulation
Chronic health effects	None known.
Carcinogenicity	None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

Components	CAS #	Percent
1,5-pentanediol	111-29-5	< 2.5
2-pyrrolidone	616-45-5	< 7.5
Alkyldiol ethoxylate	Proprietary	< 2.5
Ethyl alkyldiol	Proprietary	< 15
Water	7732-18-5	> 70
Composition comments	This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR Communication Standard).	1910.1200 (Hazard

4. First Aid Measures

First aid procedures	
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
General advice	No additional information

5. Fire Fighting Measures

Flammable properties	None known.
Extinguishing media Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	None known.
Specific methods	None established.
Hazardous combustion products	Refer to section 10.

6. Accidental Release Measures

Personal precautions	Wear appropriate personal protective equipment.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Methods for containment	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
Methods for cleaning up	Soak up with inert absorbent material.
Other information	Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

7. Handling and Storage Handling

Avoid contact with skin, eyes and clothing.

General

8. Exposure Controls / Personal Protection

Exposure guidelines	Exposure limits have not been established for this product.
Engineering controls	Use in a well ventilated area.
Personal protective equipment	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

Use personal protective equipment to minimize exposure to skin and eye.

9. Physical & Chemical Properties

9. Physical & Chemical P	roperties
Appearance	Not available.
Color	Black.
Odor	Not available.
Odor threshold	Not available.
Physical state	Liquid
Form	Not available.
рН	8.4
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not determined
Flash point	200 °F (93.3 °C) Pensky-Martens Closed Cup
Evaporation rate	Not determined
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not determined
Vapor pressure	Not determined
Vapor density	Not available.
Specific gravity	1
Relative density	Not available.
Solubility (water)	Soluble in water
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	Not available.
Other information	For other VOC regulatory data/information see section 15.
10. Chemical Stability &	Reactivity Information
Chemical stability	Stable under recommended storage conditions.
Incompatible materials	Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions	Will not occur.
11. Toxicological Inform	ation
Serious eye damage/eye irritation	Non irritant in rabbit (OECD 405)
Further information	Complete toxicity data are not available for this specific formulation. Refer to Section 2 for potential health effects and Section 4 for first aid measures.
12. Ecological Informati	on
Aquatic toxicity	LC50/96h/Fathead minnows =< 400 mg/L
-	Static acute toxicity (trout) survival (100 mg/L) $= 100\%$

LC50/96h/Fathead minnows =< 400 mg/L Static acute toxicity (trout), survival (100 mg/L) = 100%Static acute toxicity (trout), survival (10 mg/L) = 100%

13. Disposal Consideratio	ns
Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.
14. Transport Information	n
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
DOT	
Not regulated as dangerous goods.	
ΙΑΤΑ	
Not regulated as dangerous goods.	
IMDG	
Not regulated as dangerous goods.	
RID	
Not regulated as dangerous goods.	
15. Regulatory Information	on
US federal regulations	US TSCA 12(b): Does not contain listed chemicals.
DEA Exempt Chemical Mixt	ures Code Number
Not regulated. Drug Enforcement Adminis	tration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated. Drug Enforcement Adminis Chemical Code Number	tration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
Not listed. TSCA Section 12(b) Export	Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA (Superfund) reportable None	e quantity
Occupational Safety and Health	n Administration (OSHA)
29 CFR 1910.1200 hazardous chemical	No
Superfund Amendments and Re	eauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No
State regulations	
US. Massachusetts RTK - S	ubstance List
2-pyrrolidone (CAS 616-45 US. New Jersey Worker and	5-5) d Community Right-to-Know Act
Not regulated. US. Pennsylvania RTK - Haz	zardous Substances
2-pyrrolidone (CAS 616-45 US. Rhode Island RTK Not regulated.	5-5) Listed.

Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
Other information	Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments).
16. Other Information	
Other information	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 1 Instability: 0
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
Issue date	16-Jan-2013
Manufacturer information	Hewlett-Packard Company 3000 Hanover Street Palo Alto, California 94304-1112 US (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209
Explanation of abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
тім	Threshold Limit Value

- TLVThreshold Limit ValueTSCAToxic Substances Control Act
- VOC Volatile Organic Compounds



1. Product and Company Identification		
Identification of the	C9369Series[C]	
preparation		
Product use	Inkjet printing	
Version #	11	
Revision date	16-Jan-2013	
CAS #	Mixture	
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501	
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com	
2. Hazards Identification		
Emergency overview	Contact with skin and eyes may result in irritation.	
Acute health effects		
	Any potential hazards are presumed to be due to exposure to the components.	
Skin contact	<i>1,5-pentanediol</i> Contact with skin may result in irritation.	
	<i>2-pyrrolidone</i> Contact with skin may result in irritation.	
	<i>Alkyldiol ethoxylate</i> Contact with skin may result in severe irritation.	
	<i>Ethyl alkyldiol</i> Contact with skin may result in mild irritation.	
Eye contact	<i>1,5-pentanediol</i> Contact with eyes may result in irritation. <i>2-pyrrolidone</i>	
	Contact with eyes may result in irritation. <i>Alkyldiol ethoxylate</i> Contact can cause moderate to severe irritation and possible injury to the eyes.	
	<i>Ethyl alkyldiol</i> Contact with eyes may result in mild irritation.	
Inhalation	2-pyrrolidone Inhalation may result in respiratory irritation.	
Ingestion	<i>2-pyrrolidone</i> Ingestion may result in nausea, vomiting and diarrhea. <i>Alkyldiol ethoxylate</i> Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea. <i>Substituted phthalocyanine salt # 2</i> Harmful if swallowed.	

Potential health effects	
Routes of exposure	Potential routes of overexposure to this product are skin and eye contact
	Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.
	Complete toxicity data are not available for this specific formulation
Chronic health effects	Substituted phthalocyanine salt: Prolonged ingestion exposure may cause serious damage to health.
Carcinogenicity	None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

3. Composition / Information on Ingredients

Components		CAS #	Percent
1,5-pentanediol		111-29-5	< 2.5
2-pyrrolidone		616-45-5	< 7.5
Alkyldiol ethoxylate		Proprietary	< 2.5
Ethyl alkyldiol		Proprietary	< 15
Substituted phthalocyanine sal	: # 2	Proprietary	< 2.5
Water		7732-18-5	> 70
Composition comments	This ink supply contains an aqueous ink formula This product has been evaluated using criteria s Communication Standard).		1200 (Hazard

4. First Aid Measures

First aid procedures	
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
General advice	No additional information

5. Fire Fighting Measures

Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	None known.
Specific methods	None established.
Hazardous combustion products	Refer to section 10.

6. Accidental Release Measures

Personal precautions	Wear appropriate personal protective equipment.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Methods for containment	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
Methods for cleaning up	Soak up with inert absorbent material.
Other information	Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

Arielation and Storage Avoid contact with skin, eyes and clothing. Storage Keep out of the reach of children. Keep away from excessive heat or cold. Storage Exposure Controls / Personal Protection Exposure guidelines Exposure limits have not been established for this product. Engineering controls Use in a well ventilated area. Personal protective equipment Handle in accordance with good industrial hygiene and safety practice. General Use personal protective equipment to minimize exposure to skin and eye. 9. Physical & Chemical Properties Appearance Appearance Not available. Color Cyan Odor Not available. Odor Not available. Physical state Liquid Form Not available. Odifting point Not available. Physical state Liquid Forearing point Not available. Pist 7.8 Metting point Not available. Pist point Not determined Flash point 200 °F (93.3 °C) Pensky-Martens Closed Cup Evaporation rate Not determined Flash point No	7 Handling and Storage	
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ColorCyanOdorNot available.Odor thresholdNot available.Physical stateLiquidFormNot available.pH7.8Melting pointNot available.Boiling pointNot available.Boiling pointNot available.Freezing pointNot available.Boiling pointNot determinedFlash point200 °F (93.3 °C) Pensky-Martens Closed CupEvaporation rateNot determinedFlammability limits in air, lower, % by volumeNot determinedFlammability limits in air, lower, % by volumeNot determinedVapor gressureNot determinedSpecific gravity1Relative densityNot available.Solubility (water)Solubile.Solubility (water)Solubile.Viscosity2 cpVOCNot available.Viscosity2 cpVOCNot available.Other informationFor other VOC regulatory data/information see section 15.10. Chemical Stability & Stable under recommended storage conditions.Incompatible materialsIncompatible with strong bases and oxidizing agents.Hazardous decomposition productsUpon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.Possibility of hazardousWill not occur.	9. Physical & Chemical P	roperties
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Possibility of hazardous Will not occur.	Hazardous decomposition	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon
	Possibility of hazardous	
	11. Toxicological Inform	Not available

Serious eye damage/eye irritation	Not available.
Further information	This ink formulation has not been tested for toxicological effects. Refer to Section 2 for potential health effects and Section 4 for first aid measures.

12. Ecological Informatio	n
Ecotoxicity	Information given is based on data on the components and the ecotoxicology of similar products
Aquatic toxicity	LC50/96h/Fathead minnows =/< 400 mg/L
	Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%
	Static acute toxicity (trout), survival (10 mg/L) = 100%
	EC50/72h/algae =>100 mg/L EC50/48h/daphnia =>100 mg/L
Persistence and degradability	Not available.
13. Disposal Consideratio	ns
Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.
14. Transport Informatio	n
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
DOT	
Not regulated as dangerous goods.	
ΙΑΤΑ	
Not regulated as dangerous goods.	
IMDG	
Not regulated as dangerous goods.	
RID	
Not regulated as dangerous goods.	
15. Regulatory Informati	on
US federal regulations	US TSCA 12(b): Does not contain listed chemicals.
DEA Exempt Chemical Mixt	cures Code Number
-	tration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated. Drug Enforcement Adminis Chemical Code Number	tration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
	Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA (Superfund) reportable None	e quantity
Occupational Safety and Healt	h Administration (OSHA)
29 CFR 1910.1200 hazardous chemical	No
Superfund Amendments and Re	eauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

State regulations US. Massachusetts RTK - Substance List		
2-pyrrolidone (CAS 616-		
Not regulated.	nd Community Right-to-Know Act	
US. Pennsylvania RTK - H	azardous Substances	
2-pyrrolidone (CAS 616-4 US. Rhode Island RTK	45-5) Listed.	
Not regulated.		
Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.	
Other information	Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments).	
16. Other Information		
Other information	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).	
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0	
NFPA ratings	Health: 1 Flammability: 1 Instability: 0	
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.	
Issue date	16-Jan-2013	
Manufacturer information	Hewlett-Packard Company 3000 Hanover Street Palo Alto, California 94304-1112 US (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209	

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	
	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds



1. Product and Compa	ny Identification
Identification of the preparation	C9369Series[M]
Product use	Inkjet printing
Version #	12
Revision date	16-Jan-2013
CAS #	Mixture
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com
2. Hazards Identificati	on
Emergency overview	Contact with skin and eyes may result in irritation.
Acute health effects	
	Any potential hazards are presumed to be due to exposure to the components.
Skin contact	<i>1,5-pentanediol</i> Contact with skin may result in irritation.
	2-pyrrolidone Contact with skin may result in irritation. <i>Alkyldiol ethoxylate</i> Contact with skin may result in severe irritation. <i>Ethyl alkyldiol</i> Contact with skin may result in mild irritation.
Eye contact	 <i>1,5-pentanediol</i> Contact with eyes may result in irritation. <i>2-pyrrolidone</i> Contact with eyes may result in irritation. <i>Alkyldiol ethoxylate</i> Contact can cause moderate to severe irritation and possible injury to the eyes. <i>Ethyl alkyldiol</i> Contact with eyes may result in mild irritation.
Inhalation	<i>2-pyrrolidone</i> Inhalation may result in respiratory irritation.
Ingestion	<i>2-pyrrolidone</i> Ingestion may result in nausea, vomiting and diarrhea. <i>Alkyldiol ethoxylate</i> Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

Potential health effects	
Routes of exposure	Potential routes of overexposure to this product are skin and eye contact
	Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.
	Complete toxicity data are not available for this specific formulation
Chronic health effects	None known.
Carcinogenicity	None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

Components	CAS #	Percent
1,5-pentanediol	111-29-5	< 2.5
2-pyrrolidone	616-45-5	< 7.5
Alkyldiol ethoxylate	Proprietary	< 2.5
Ethyl alkyldiol	Proprietary	< 15
Water	7732-18-5	> 70
Composition comments	This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR Communication Standard).	1910.1200 (Hazard

4. First Aid Measures

First aid procedures	
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
General advice	No additional information

5. Fire Fighting Measures

Flammable properties	None known.
Extinguishing media Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	None known.
Specific methods	None established.
Hazardous combustion products	Refer to section 10.

6. Accidental Release Measures

Personal precautions	Wear appropriate personal protective equipment.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Methods for containment	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
Methods for cleaning up	Soak up with inert absorbent material.
Other information	Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

7. Handling and Storage Handling

Avoid contact with skin, eyes and clothing.

General

8. Exposure Controls / Personal Protection

Exposure guidelines	Exposure limits have not been established for this product.
Engineering controls	Use in a well ventilated area.
Personal protective equipment	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

Use personal protective equipment to minimize exposure to skin and eye.

9. Physical & Chemical Properties

Ji r nysicar & chemicar r	
Appearance	Not available.
Color	Magenta
Odor	Not available.
Odor threshold	Not available.
Physical state	Liquid
Form	Not available.
рН	7.7
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not determined
Flash point	200 °F (93.3 °C) Pensky-Martens Closed Cup
Evaporation rate	Not determined
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not determined
Vapor pressure	Not determined
Vapor density	Not available.
Specific gravity	1
Relative density	Not available.
Solubility (water)	Soluble in water
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	2 cp
VOC	Not available.
Other information	For other VOC regulatory data/information see section 15.
10 Chemical Stability &	Peactivity Information

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Incompatible materials	Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Serious eye damage/eye irritation	Not available.
Further information	This ink formulation has not been tested for toxicological effects. Refer to Section 2 for potential health effects and Section 4 for first aid measures.

12. Ecological Information	
Aquatic toxicity	LC50/96h/Fathead minnows = < 400 mg/L
	Static acute toxicity (trout), survival (100 mg/L) = 100%
	Static acute toxicity (trout), survival (10 mg/L) = 100%
Persistence and degradability	Not available.
13. Disposal Consideration	ons
Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.
14. Transport Informatio	n
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
DOT	
Not regulated as dangerous goods	
IATA	
Not regulated as dangerous goods	
IMDG	
Not regulated as dangerous goods	
RID	
Not regulated as dangerous goods	
15. Regulatory Informati	ion
US federal regulations	TSCA (Toxic Substances Control Act): All ingredients are on the TSCA Chemical Substances Inventory. A substance in this product is the subject of a Significant New Use Rule (SNUR) at 40 CFR 721.10045. The Significant New Use(s) for this substance (P-02-737) is that it cannot be manufactured domestically and that it cannot be processed or used in solid form. TSCA 12(b) Components: Reporting not required. SNUR substance is present at less than 1 percent in the final product.
DEA Exempt Chemical Mix	tures Code Number
Not regulated. Drug Enforcement Adminis	stration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated. Drug Enforcement Adminis Chemical Code Number	stration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
	t Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA (Superfund) reportabl None	e quantity
Occupational Safety and Healt	h Administration (OSHA)
29 CFR 1910.1200 hazardous chemical	No
-	eauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

State regulations US. Massachusetts RTK - 3	Substance List		
	2-pyrrolidone (CAS 616-45-5)		
Not regulated.	nd Community Right-to-Know Act		
US. Pennsylvania RTK - H	azardous Substances		
2-pyrrolidone (CAS 616-4 US. Rhode Island RTK	45-5) Listed.		
Not regulated.			
Regulatory information	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.		
Other information	Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments).		
16. Other Information			
Other information	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).		
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0		
NFPA ratings	Health: 1 Flammability: 1 Instability: 0		
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.		
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